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Part Number: [44068-0045](#)

Status: **Active**

Overview: [Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)

Description: 4.20mm Pitch Mini-Fit SMC™ Surface Mount Compatible Header, Dual Row, Vertical, for 1.60mm PCB, 4 Circuits, Tin (Sn) Plating, with Solderable Retention Clip

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-43810-001 \(PDF\)](#)

[Test Summary TS-43810-001 \(PDF\)](#)

[Test Summary TS-43879-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

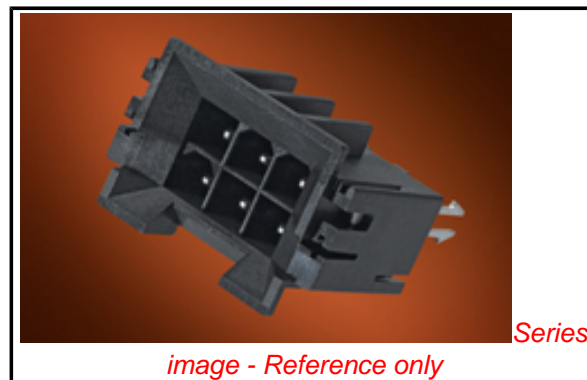
Product Family PCB Headers
Series [44068](#)
Application Board-to-Board, Power, Wire-to-Board
Comments Current = 13A max. per circuit when header is mated to a receptacle loaded with [45750](#) Mini-Fit® Plus HCS Crimp Terminal Crimped to 16 AWG wire., See Molex product specification PS-45750-001 for additional current de-rating information.
[Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)
Mini-Fit® SMC

Overview

Product Name

Physical

Breakaway No
Circuits (Loaded) 4
Circuits (maximum) 4
Color - Resin Black
Durability (mating cycles max) 30
Flammability 94V-0
Glow-Wire Compliant No
Material - Metal Brass
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 2
Orientation Vertical
PC Tail Length 4.42mm
PCB Locator Yes
PCB Retention Yes
PCB Thickness - Recommended 2.40mm
Packaging Type Tray
Pitch - Mating Interface 4.20mm
Pitch - Termination Interface 4.20mm
Plating min - Mating 2.540µm
Plating min - Termination 2.540µm
Polarized to PCB Yes
Shrouded Partial
Stackable No
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Through Hole



Series

image - Reference only

EU RoHS

ELV and RoHS Compliant

REACH SVHC Contains SVHC: No Low-Halogen Status Not Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[44068Series](#)

Mates With

[42385](#) , [42474](#) , [44475](#) , [44516](#) , [5557d](#)

Electrical

Current - Maximum per Contact	13A
Voltage - Maximum	600V

Solder Process Data

Duration at Max. Process Temperature (seconds)	30
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	235

Material Info**Reference - Drawing Numbers**

Product Specification	PS-43810-001
Sales Drawing	SD-44068-031
Test Summary	TS-43810-001, TS-43879-001

This document was generated on 04/16/2012

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